

We Claim:

1. A system for at least one of transducing vaginal conditions, affecting vaginal or body conditions, and stimulating perineal musculature and nerves, comprising:

a separate, portable, non-implanted, intravaginally containable combination probe and transceiver that is provided with means for at least one of sensing vaginal conditions, delivering signals or medication, and stimulating perineal musculature and nerves;

wherein said combination probe and transceiver is provided with 2-way wireless communication means for transmitting information that is transduced and for receiving control and programming signals; and

a separate combination controller and transceiver that is provided with wireless means for sending signals to said probe and for receiving signals therefrom;

wherein a wireless signal feedback loop is provided between said controller and said probe and which may be an interactive or closed signal feedback wireless loop.

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2. A system according to claim 1, wherein said means of said combination wireless controller and transceiver for sending signals includes means for wirelessly altering operation settings of said probe.

5 3. A system according to claim 2, wherein said probe is provided with means for transducing in the form of a muscle contraction sensor.

4. A system according to claim 2, wherein said probe is provided with means for transducing in the form of means for sampling cervical fluid or other changes in the vaginal environment.

10 5. A system according to claim 2, wherein said probe is provided with means for transducing in the form of means for sensing at least one of temperature, pH, secretion viscosity, vaginal pathogens and atypical cervical cells.

15 6. A system according to claim 2, wherein said probe is a sealed unit which is inserted "in-situ" into the vaginal vault or removed therefrom.

7. A system according to claim 3, wherein said means of said controller and transceiver for sending signals includes means for wirelessly altering at least one of stimulation signal levels and medication.

20 8. A system according to claim 3, wherein said probe is provided with stimulating means that includes means for automatic adjustment

of stimulation levels in response to at least one of sensed muscle contractions and changes in the vaginal environment.

9. A system according to claim 2, wherein said probe is provided with stimulating means, and wherein said stimulating means is programmed to provide at least one of increasing stimulation and medication over a given period of time.

10. A system according to claim 9, wherein said stimulating means is remotely adjustable via a wireless signal.

11. A system according to claim 6, wherein said probe is provided with at least one of at least one conductive band and a sensor transducer.

12. A system according to claim 1, wherein said controller and said probe are provided with a wireless means to transmit signals to and/or receive signals from external devices, networks, or databases.

13. A system according to claim 6, where said controller is a hand-held unit.

14. A method of accomplishing at least one of transducing vaginal conditions, affecting vaginal or body conditions, and stimulating perineal musculature and nerves, said method including the steps of:

intravaginally inserting a portable, combination probe and transceiver;

with said combination probe and transceiver accomplishing at least one of transducing vaginal conditions, delivering signals or medication, and stimulating perineal musculature and nerves;

5 providing said combination probe and transceiver with 2-way wireless communication means for transmitting transduced information and for receiving control and programming signals;

10 providing a separate combination controller and transceiver that is provided with wireless means for sending signals to said combination probe and transceiver and for receiving signals therefrom; and

15 providing a wireless signal feedback loop between said combination probe and transceiver on the one hand and said combination controller and transceiver on the other hand.

15. A method according to claim 14, which includes the step of transmitting and/or receiving signals, in a wireless manner, to and from external devices, networks or databases.

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